GROUP 90

CIRCUIT DIAGRAMS

CONTENTS

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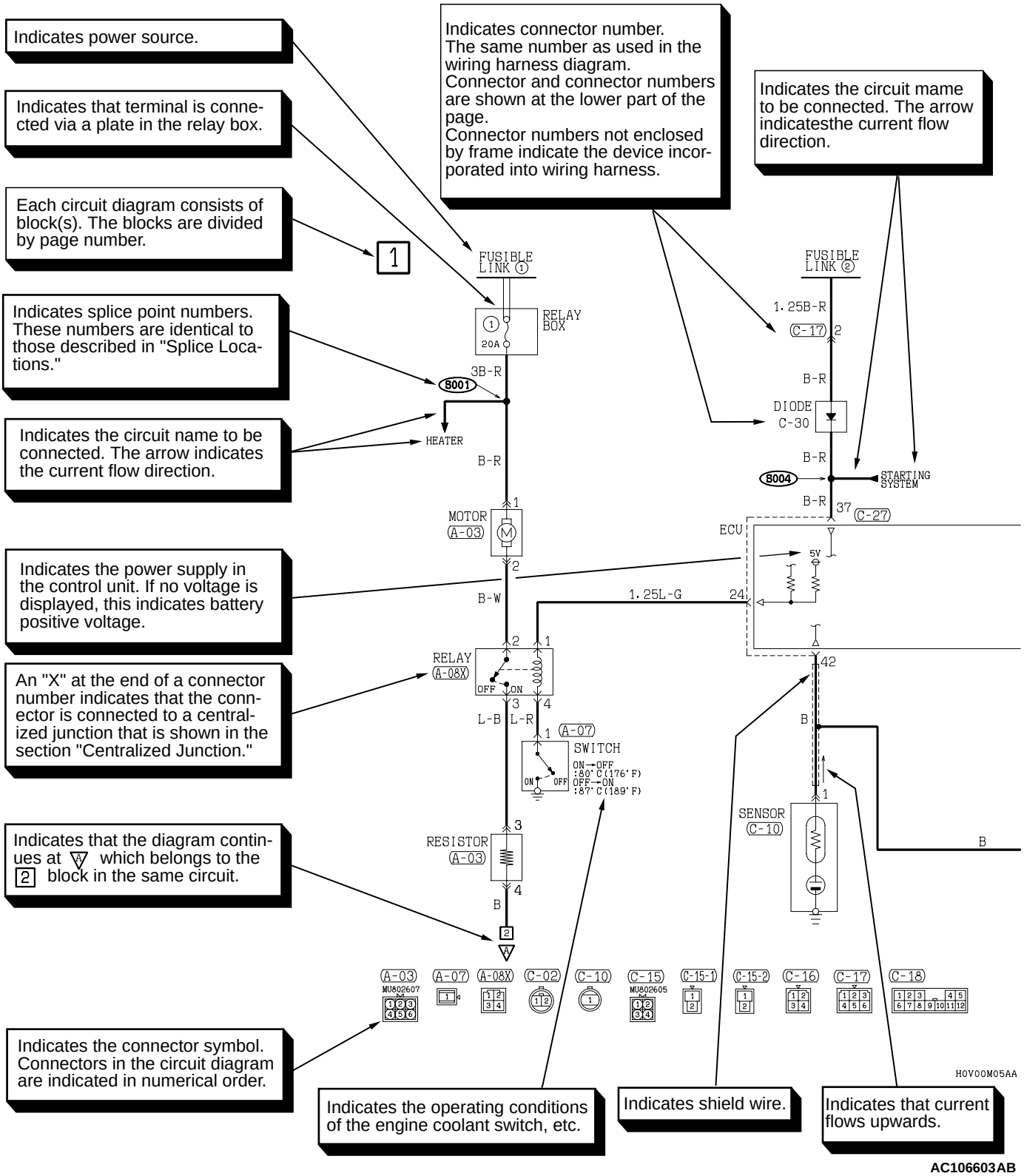
NOTES

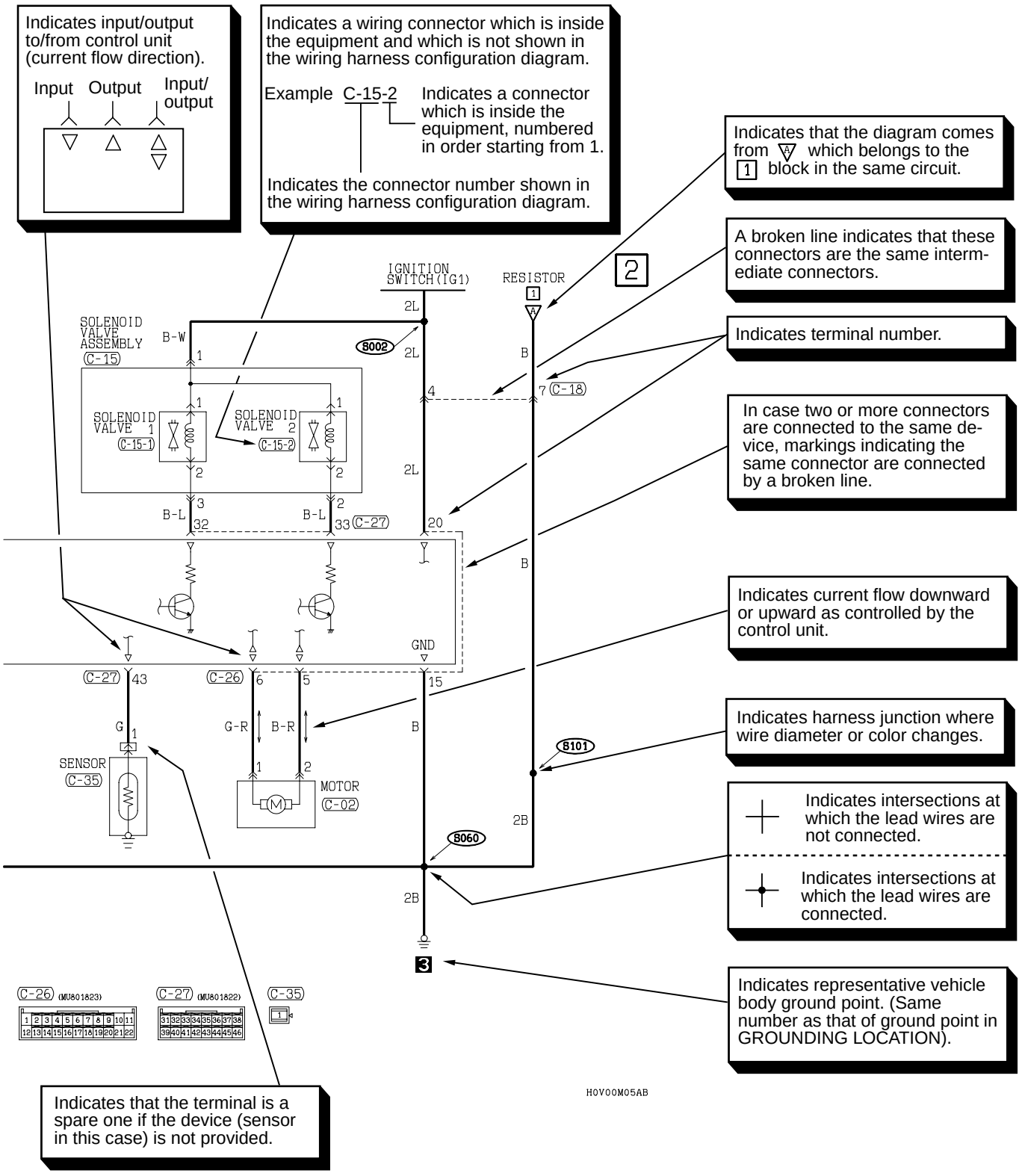
HOW TO READ CIRCUIT DIAGRAMS

M1901000100447

The circuit of each system from the fuse (or fusible link) to ground is shown. The power supply is shown at the top and the ground at the bottom to facilitate understanding of how the current flows.



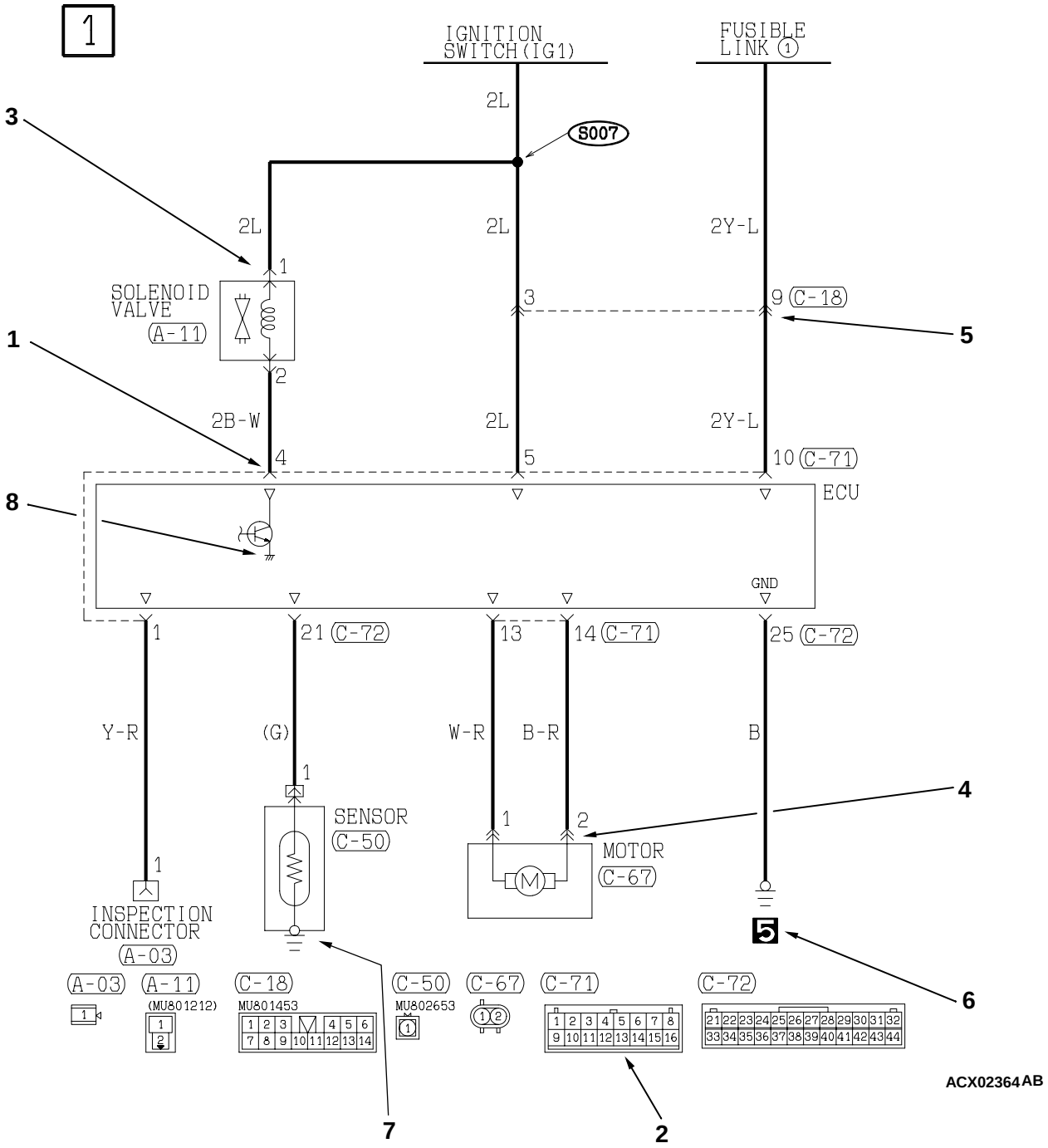
TSB Revision

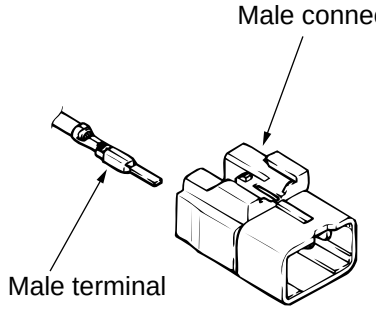
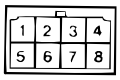
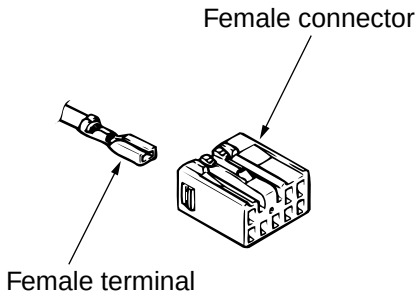
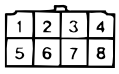
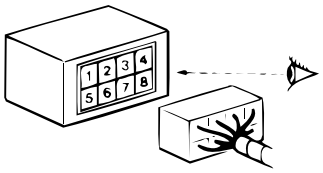
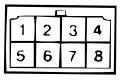
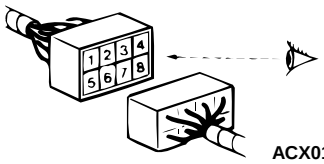
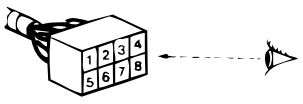
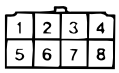


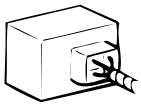
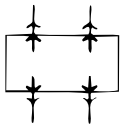
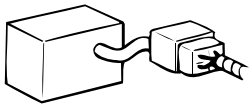
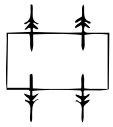
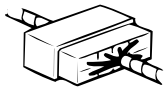
AC106604AB

TSB Revision

CONNECTOR/GROUNDING INDICATIONS

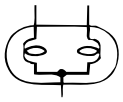
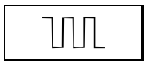
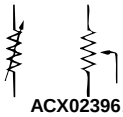
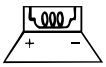
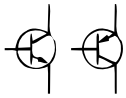


ITEM	NO.	CONNECTOR/ GROUNDING	SYMBOL	CONTENTS
Connector and terminal marking	1	 ACX01251AB	Male terminal  ACX01252AB	The male and female terminals are indicated as shown. The connector with male terminal(s) is called as male connector and indicated by two connector contour lines, while the connector with female terminal(s) is called as female connector and indicated by single connector contour line.
			ale connector  ACX01253AB	
		 ACX01254AB	Female terminal  ACX01255AB	
			Female connector  ACX01256AB	
Connector symbol marking	2	Device  ACX01257AB	 ACX01253	The symbol indicates the connector is viewed as shown. At a device connection, the connector symbol on the device side is shown. For an intermediate connector, the male connector symbol is shown. For spare connectors and check connectors, no device is connected, and so the harness-side connector symbol is shown for these connectors. For the data link connector, its contents differ from the previous description. Refer to "scan tool operation instruction" in detail.
		Intermediate connector  ACX01258AB		
		Spare cnnector, check connector  ACX01816AB	 ACX01256	

ITEM	NO.	CONNECTOR/ GROUNDING	SYMBOL	CONTENTS
Connector connection marking	3	Direct connection type  ACX01260 AB	 ACX01261	Connection between a device and the harness is either by direct insertion in the device (direct connection type) or by connection with a harness connector furnished on the device side (harness connection type). The two types are indicated as illustrated.
	4	Harness connection type  ACX01262 AB	 ACX01263	
	5	Intermediate connector  ACX01264 AB	 ACX01265	
Ground markings	6	Body ground  ACX01273 AB	 ACX01274	Grounding is either by body ground, device ground or control unit interior ground. These are indicated as illustrated.
	7	Device ground  ACX01275 AB	 ACX01276	
	8	Ground in control unit  ACX01277AB	 ACX01278	

SYMBOLS (EXCEPT CONNECTOR AND GROUNDING)

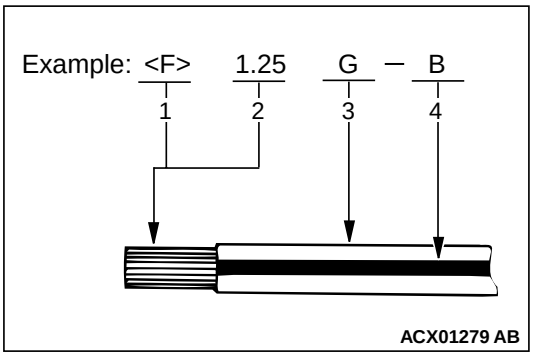
Devices appearing in circuit diagrams are indicated by the following symbols.

attery  ACX02377AB	uzzer  ACX02378AB	Capacitor  ACX02379AB	lectrolytic apacitor  ACX02380AB	Variable capacitor  ACX02381AB	Coil  ACX02382AB
iode  ACX02383AB	ight emitting iode  ACX02384AB	hoto diode  ACX02385AB	Zener diode  ACX02386AB	ual bulb  ACX02387AB	Single bulb  ACX02388AB
Fuse  ACX02389AB	Fusible link  ACX02390AB	orn  ACX02391AB	otor  ACX02392AB	Pulse generator  ACX02393AB	Piezoelectric device  ACX02394AB
Resistor  ACX02395AB	Variable resistor  ACX02396AB	Speaker  ACX02397AB	Thermistor  ACX02398AB	Transistor  ACX02399AB	hoto transistor  ACX02400AB

WIRE COLOR CODES

Wire color are identified by the following color codes.

CODE	WIRE COLOR	CODE	WIRE COLOR	CODE	WIRE COLOR	CODE	WIRE COLOR
B	Black	L	Blue	R	Red	Y	Yellow
BR	Brown	LG	Light green	SB	Sky blue	–	–
G	Green	O	Orange	V	Violet	–	–
GR	Gray	P	Pink	W	White	–	–



If a cable has two colors, the first of the two color code characters indicates the basic color (color of the cable coating) and the second indicates the marking color.

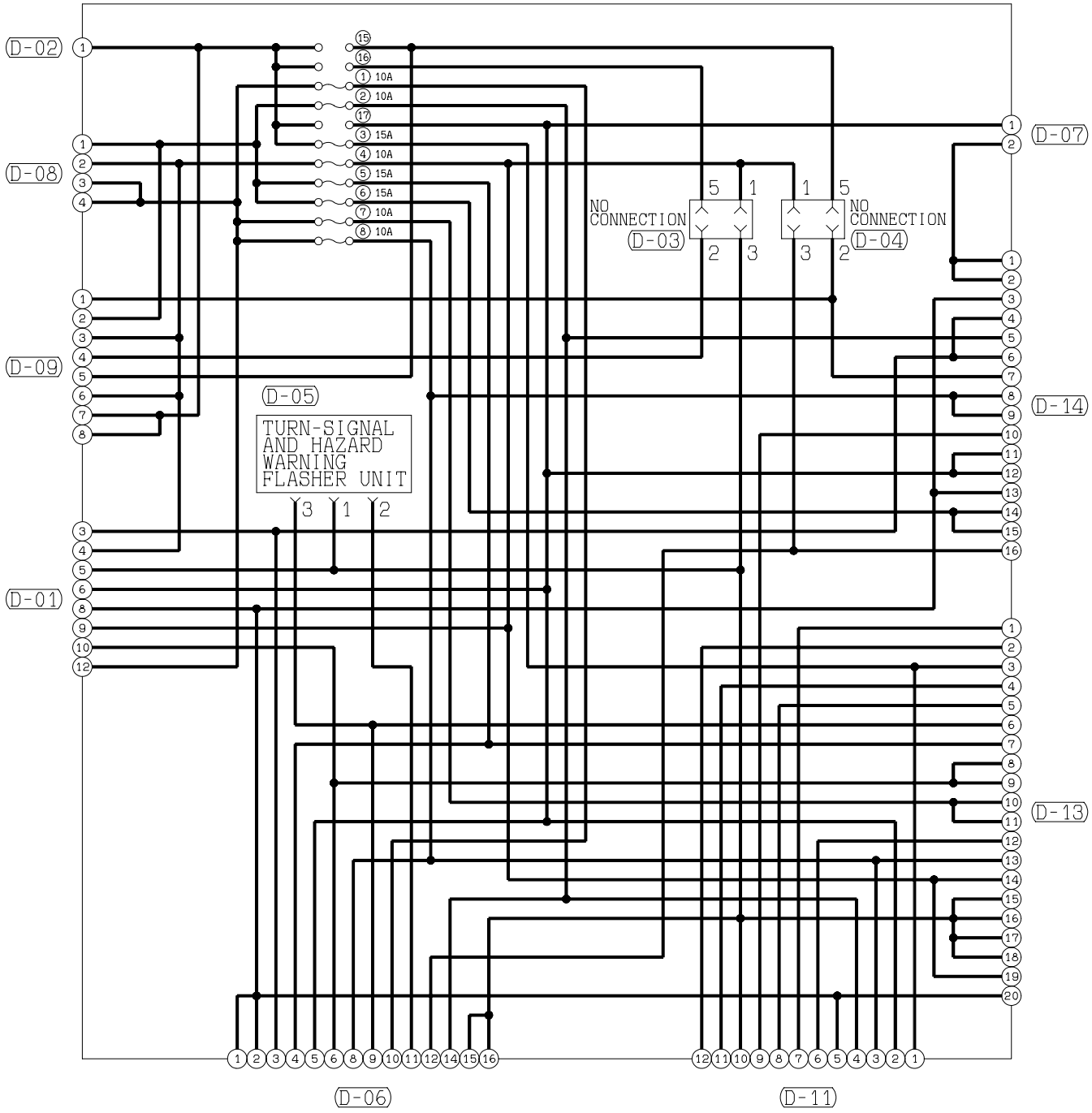
NO.	MEANING
1	<F>: Flexible wire
	<T>: Twisted wire
2	Wire size (mm^2)*
3	Basic color (color of the cable coating)
4	Marking color

NOTE:

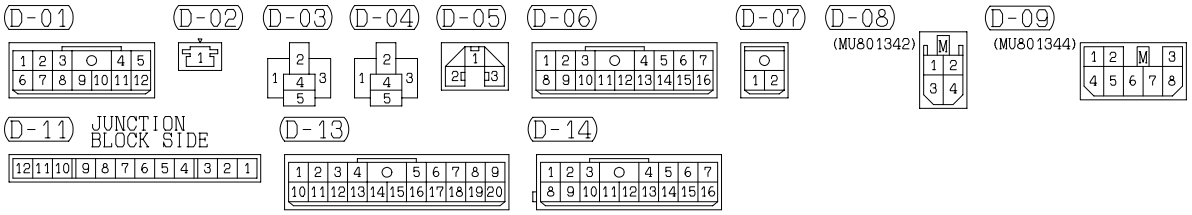
**: No code indicates 0.5 mm^2(0.0008 in^2).Cable color code in parentheses indicates 0.3 mm^2 (0.0005 in^2).*

JUNCTION BLOCK

M1901000200466



NOTE
CONNECTOR NUMBERS ARE KEYED TO THE CONFIGURATION DIAGRAM AND EACH CIRCUIT DIAGRAM.



H3P00M00AA